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Palczewski et al., Biochemistry, 27:2306-2313 (1988); J.L. Benovic et al., Proc. Natl. Acad. Sci. USA, 83:2797-2801 (1986)). However, these residues are not part of consensus phosphorylation sites as in other receptors. The mature FSH-R (SEQ ID NO:7) is predicted to comprise 675 amino acids (75K mol. wt.) and to constitute an integral membrane glycoprotein.

In the claims:

Please amend claims 4, 22, and 27 to read as follows:

4. (Amended) The pharmaceutical composition of claim 2 wherein said LH/CG hormone receptor molecule contains at least one sequence selected from the group consisting of:

- B12
- (a) Glu-Leu-Ser-Gly-Ser-Arg-Cys-Pro-Glu-Pro (SEQ ID NO:12);
 - (b) Pro-Arg-Ala-Gly-Leu-Ala-Arg-Leu-Ser-Leu (SEQ ID NO:13);
 - (c) Leu-Asn-Glu-Val-Val-Lys-Ile-Glu-Ile-Ser (SEQ ID NO:14);
 - (d) Ser-Glu-Leu-Leu-Ile-Gln-Asn-Thr-Lys-Asn (SEQ ID NO:15);
 - (e) Met-Asn-Asn-Glu-Ser-Val-Thr-Leu-Lys-Leu (SEQ ID NO:16);
 - (f) Thr-Leu-Thr-Tyr-Pro-Ser-His-Cys-Cys-Ala (SEQ ID NO:17);
 - (g) Val-Leu-Ile-Trp-Leu-Ile-Asn-Ile-Leu-Ala (SEQ ID NO:18);
 - (h) Val-Phe-Ala-Ser-Glu-Leu-Ser-Val-Tyr-Thr (SEQ ID NO:19);
 - (i) Ala-Ile-Leu-Ile-Phe-Thr-Asp-Phe-Thr-Cys (SEQ ID NO:20);
 - (j) Phe-Thr-Lys-Ala-Phe-Gln-Arg-Asp-Phe-Leu (SEQ ID NO:21); and
 - (k) Arg-Ala-Glu-Leu-Tyr-Arg-Arg-Lys-Glu-Phe (SEQ ID NO:22).

22. (Amended) The recombinant molecule of claim 21 wherein said LH/CG hormone receptor molecule contains at least one sequence selected from the group consisting of:

- B13
- (a) Glu-Leu-Ser-Gly-Ser-Arg-Cys-Pro-Glu-Pro (SEQ ID NO:12);
 - (b) Pro-Arg-Ala-Gly-Leu-Ala-Arg-Leu-Ser-Leu (SEQ ID NO:13);
 - (c) Leu-Asn-Glu-Val-Val-Lys-Ile-Glu-Ile-Ser (SEQ ID NO:14);
 - (d) Ser-Glu-Leu-Leu-Ile-Gln-Asn-Thr-Lys-Asn (SEQ ID NO:15);
 - (e) Met-Asn-Asn-Glu-Ser-Val-Thr-Leu-Lys-Leu (SEQ ID NO:16);
 - (f) Thr-Leu-Thr-Tyr-Pro-Ser-His-Cys-Cys-Ala (SEQ ID NO:17);
 - (g) Val-Leu-Ile-Trp-Leu-Ile-Asn-Ile-Leu-Ala (SEQ ID NO:18);

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cont

- (h) Val-Phe-Ala-Ser-Glu-Leu-Ser-Val-Tyr-Thr (SEQ ID NO:19);
 - (i) Ala-Ile-Leu-Ile-Phe-Thr-Asp-Phe-Thr-Cys (SEQ ID NO:20);
 - (j) Phe-Thr-Lys-Ala-Phe-Gln-Arg-Asp-Phe-Leu (SEQ ID NO:21); and
 - (k) Arg-Ala-Glu-Leu-Tyr-Arg-Arg-Lys-Glu-Phe (SEQ ID NO:22).
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27. (Amended) The recombinant molecule of claim 9 wherein said molecule contains at least 10 nucleotides selected from the group consisting of:

- (a) Glu-Leu-Ser-Gly-Ser-Arg-Cys-Pro-Glu-Pro (SEQ ID NO:12);
 - (b) Pro-Arg-Ala-Gly-Leu-Ala-Arg-Leu-Ser-Leu (SEQ ID NO:13);
 - (c) Leu-Asn-Glu-Val-Val-Lys-Ile-Glu-Ile-Ser (SEQ ID NO:14);
 - (d) Ser-Glu-Leu-Leu-Ile-Gln-Asn-Thr-Lys-Asn (SEQ ID NO:15);
 - (e) Met-Asn-Asn-Glu-Ser-Val-Thr-Leu-Lys-Leu (SEQ ID NO:16);
 - (f) Thr-Leu-Thr-Tyr-Pro-Ser-His-Cys-Cys-Ala (SEQ ID NO:17);
 - (g) Val-Leu-Ile-Trp-Leu-Ile-Asn-Ile-Leu-Ala (SEQ ID NO:18);
 - (h) Val-Phe-Ala-Ser-Glu-Leu-Ser-Val-Tyr-Thr (SEQ ID NO:19);
 - (i) Ala-Ile-Leu-Ile-Phe-Thr-Asp-Phe-Thr-Cys (SEQ ID NO:20);
 - (j) Phe-Thr-Lys-Ala-Phe-Gln-Arg-Asp-Phe-Leu (SEQ ID NO:21); and
 - (k) Arg-Ala-Glu-Leu-Tyr-Arg-Arg-Lys-Glu-Phe (SEQ ID NO:22).
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